

**INTERNATIONAL SEARCH REPORT**  
**CORRECTED VERSION**

International Application No PCT/JP2004/011854
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A CLASSIFICATION OF SUBJECT MATTER  
C01B21/14

According to International Patent Classification (IPC) or to both national classification and IPC

B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
COIB

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO- Internal, CHEM ABS Data, WPI Data

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	DE 197 33 681 A1 (BASF AG, 67063 LUDWIGSHAFEN, DE) 11 February 1999 (1999-02-11) cited in the application * page 5, lines 38-42; comparative examples * ----- DATABASE CA [Online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; BANSHO, KUMIKO ET AL: "Production of free hydroxyl amine aqueous solution with high yield" XPO0235 Θ 44 retrieved from STN Database accession no. 136:202673 abstract	1-39
X	-----           -	1

Further documents are listed in the continuation of box C

Patent family members are listed in annex

° Special categories of cited documents

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

'&' document member of the same patent family

Date of the actual completion of the international search

21 October 2005

Date of mailing of the international search report

15. IZ 2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No
PC P2004/011854

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category <sup>a</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	& JP 20Q2 068719 A2 (TORAY FINE CHEMICALS KK, JAPAN) 8 March 2002 (2002-03-08) ----- US 5 472 679 A (LEVINTHAL ET AL) 5 December 1995 (1995-12-05) column 4 , line 47 - line 63; claims; examples 5-7 -----	1,2,20
A	US 6 485 700 B1 (BANSHO KUMIKO ET AL) 26 November 2002 (2002-11-26) claims; example 1 -----	1,2,20
A	DE 35 28 463 A1 (BASF AG) 19 February 1987 (1987-02-19) cited in the application the whole document -----	1,2,20
A	US 4 707 294 A (MATHEW ET AL) 17 November 1987 (1987-11-17) column 4 , line 36 - line 41; claims -----	1,2,20

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